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- About Patents
- Patent Search
  - Content
  - Glossary
  - National Databases
  - Terms and Conditions
- Technology Focus
- PCT Resources
- Data Services
- Statistics
- Patent Law
- Life Sciences
- Meetings
- Contact

Results of searching in PCT for:  
( piezoelectric near single near  
crystal ) and composition and mol  
and lead and calcium: 2 records  
Showing records 1 to 2 of 2 :

Refine Search

(piezoelectric near single near crystal) and composition are

Title	Pub. Date	Int. Class	App.
1. (WO 2005/035840) <u>PIEZOELECTRIC SINGLE CRYSTAL, PIEZOELECTRIC SINGLE CRYSTAL ELEMENT AND METHOD FOR PREPARATION THEREOF</u>	21.04.2005	C36B 11/00	PCT/JP2005/001000

It has been found that the addition of a specific additive to **lead magnesium niobate-titanate (PMN-PT) single crystal or lead**  
**PT or PZT) single crystal** can provide a **piezoelectric single crystal** element or the like having a composite perovskite structure  
piezoelectric characteristics and is non-expensive. Specifically, provided is a **single crystal** which has a composite perovskite  
composition comprising 35 to 96 mol % of **lead magnesium niobate** [ $\text{Pb}_{0.35\text{Mg}_{0.13\text{Nb}_{0.23}\text{Ti}_{0.3}\text{O}_{10}}$ ] or **lead zinc niobate** [ $\text{Pb}_{0.35\text{Zn}_{0.13}\text{Nb}_{0.23}\text{O}_{10}}$ ]  
**lead titanate** [ $\text{PbTiO}_3$ ] and 0.05 to 35 mol % of **lead indium niobate** [ $\text{Pb}_{0.1\text{In}_{0.2}\text{Nb}_{1.2}\text{O}_{10}$ ], characterized in that 0.05 to 10 mol  
composition.

2. (WO 2000/000215) PARTICULATE DELIVERY SYSTEMS AND METHODS OF USE 06.01.2000 ASIK 9/00 PCT/US99

Compositions and methods are provided for the administration of particulates comprising at least one bioactive agent which, in some embodiments, may comprise an immunoadjuvant agent. In this respect, the invention provides for both topical and systemic delivery of the bioactive agent, for example, the respiratory, gastrointestinal or urogenital tracts. The particulates may be in the form of dry powders or combined with a suspension medium to provide stabilized dispersions. In preferred embodiments, the disclosed compositions will be used in devices such as metered dose inhalers, dry powder inhalers, atomizers or nebulizers for targeted delivery of the agent to mucosal surfaces.

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## Search Summary

news and updates on WIPO's

activities regarding patents and

the PCT

**piezoelectric NEAR single:** 1778 occurrences in 662 records.

**piezoelectric NEAR crystal:** 6654 occurrences in 2214 records.

**(piezoelectric NEAR single AND piezoelectric NEAR crystal):** 216 records.

**composition:** 7903823 occurrences in 337273 records.

**((piezoelectric NEAR single AND piezoelectric NEAR crystal) AND composition):** 54 records.

**mol:** 1038203 occurrences in 125784 records.

**((((piezoelectric NEAR single AND piezoelectric NEAR crystal) AND composition) AND mol):** 8 records.

**lead:** 1095110 occurrences in 229769 records.

**((((piezoelectric NEAR single AND piezoelectric NEAR crystal) AND composition) AND mol) AND lead):** 7 records.

**calcium:** 1052364 occurrences in 159114 records.

**(((((piezoelectric NEAR single AND piezoelectric NEAR crystal) AND composition) AND mol) AND lead) AND calcium):** 2 records.

Search Time: 22.35 seconds.

